

2019-2028 Wastewater Utility Capital Program

	2019	2020	2021	2022	2023	Five Year Total	2024	2025	2026	2027	2028	Ten Year Total
Revenue												
Beginning Balance	\$ 4,895,438	\$ 4,702,663	\$ 5,949,051	\$ 7,019,198	\$ 5,037,799	\$ 4,895,438	\$ 6,857,708	\$ 5,308,392	\$ 6,435,003	\$ 8,158,991	\$ 11,172,095	4,895,438
A Operating Revenues	5,311,399	5,343,101	6,247,022	7,043,890	8,239,970	\$ 32,185,382	7,604,700	7,916,500	8,237,040	8,565,390	8,896,190	73,405,202 A
B SIF Revenue	2,774,324	1,271,603	1,338,744	10,909,430	1,483,143	\$ 17,777,244	19,270,118	1,823,958	1,917,345	2,014,555	2,114,678	44,917,898 B
C Interest on Investments	41,502	59,285	77,034	77,296	99,147	\$ 354,264	86,513	132,125	139,193	138,676	168,879	1,019,650 C
D Loan Repayments	(2,654,570)	(1,685,773)	(1,688,714)	(5,000,665)	(3,289,858)	\$ (14,319,579)	(2,256,190)	(3,372,802)	(3,373,552)	(3,372,657)	(3,455,119)	(30,149,898) D
Total Revenue	\$ 10,368,093	\$ 9,690,880	\$ 11,923,138	\$ 20,049,149	\$ 11,570,201	\$ 40,892,749	\$ 31,562,849	\$ 11,808,173	\$ 13,355,030	\$ 15,504,955	\$ 18,896,724	\$ 94,088,290
Expenditures												
Capital Projects												
1 WW - 43rd Street Sewer Solution	-	-	119,550	1,383,393	-	1,502,943	-	-	-	-	-	1,502,943 1
2 WW - Abandon WWTP Sewer Re-route	28,000	397,719	-	-	-	425,719	-	-	-	-	-	425,719 2
3 WW - Bus Barn & Taft Lift Station Renovation	-	1,099,324	-	-	-	1,099,324	-	-	-	-	-	1,099,324 3
4 WW - East 1st Street (FM) Discharge Vault	-	294,516	-	-	-	294,516	-	-	-	-	-	294,516 4
5 WW - East Side Lift Station 3rd Pump Install	-	31,280	361,900	-	-	393,180	-	-	-	-	-	393,180 5
6 WW - East Side Lift Station Overflow Vault	-	-	-	-	-	-	-	89,860	1,039,808	-	-	1,129,668 6
7 WW - Highway 402 Wastewater Main Extension	-	-	-	-	1,358,320	1,358,320	15,718,145	-	-	-	-	17,076,465 7
8 WW - Miscellaneous Oversizing & Extensions Projects	75,750	78,972	82,325	85,820	89,476	412,343	93,274	97,243	101,374	105,676	110,171	920,081 8
9 WW - Miscellaneous Sewer Line Rehabilitation Projects	-	1,052,925	1,646,512	1,087,114	2,385,923	6,172,474	4,352,807	5,186,067	4,054,857	4,227,183	-	23,993,387 9
10 WW - Mountain Pacific Oversizing Construct	50,000	-	-	-	-	50,000	-	-	-	-	-	50,000 10
11 WW - North Horseshoe Lift Station Upgrades	-	104,250	1,206,358	-	-	1,310,608	-	-	-	-	-	1,310,608 11
12 WW - Southside Lift Station Generator	-	-	-	45,320	524,435	569,755	-	-	-	-	-	569,755 12
13 WW - Upper Boyd Basin Sanitary Sewer	-	-	576,010	6,665,419	-	7,241,429	-	-	-	-	-	7,241,429 13
14 WW - WWTP Admin Remodel	-	578,593	-	-	-	578,593	-	-	-	-	-	578,593 14
15 WW - WWTP Digested Sludge Dewatering	-	-	-	-	-	-	-	-	-	-	1,352,590	1,352,590 15
16 WW - WWTP Final Clarifier #4 and RAS/Scum	-	-	-	-	-	-	-	-	-	-	727,200	727,200 16
17 WW - WWTP Primary Clarifier #3 & Trickling Filter Demolition	-	-	-	-	-	-	-	-	-	-	436,320	436,320 17
18 WW - WWTP Primary Clarifier Odor Control	-	-	-	84,970	354,340	439,310	6,090,232	-	-	-	-	6,529,542 18
19 WW - WWTP Rehabilitate Digester 1 & 2	-	-	489,060	5,659,315	-	6,148,375	-	-	-	-	-	6,148,375 19
20 WW - WWTP Security Upgrades (cameras/recording device)	-	104,250	-	-	-	104,250	-	-	-	-	-	104,250 20
21 WW - WWTP Upgrade PLC Processors	-	-	422,224	-	-	422,224	-	-	-	-	-	422,224 21
22 WW - WWTP New Water Quality Lab	5,400,000	-	-	-	-	5,400,000	-	-	-	-	-	5,400,000 22
Subtotal Capital Projects	\$ 5,553,750	\$ 3,741,828	\$ 4,903,940	\$ 15,011,350	\$ 4,712,494	\$ 33,923,361	\$ 26,254,457	\$ 5,373,170	\$ 5,196,038	\$ 4,332,860	\$ 2,626,281	77,706,167
New & Replacement Equipment												
23 WW - Copier Replacement	12,680	-	-	-	-	12,680	-	-	-	-	-	12,680 23
24 WW - Repl Veh #5122-2003 4WD PU/Utility Box/Crane-Tech Svcs	99,000	-	-	-	-	99,000	-	-	-	-	-	99,000 24
Subtotal New & Replacement Equipment	\$ 111,680	\$ -	\$ -	\$ -	\$ -	\$ 111,680	\$ -	\$ -	\$ -	\$ -	\$ -	111,680
Total Capital Expenditures	\$ 5,665,430	\$ 3,741,828	\$ 4,903,940	\$ 15,011,350	\$ 4,712,494	\$ 34,035,041	\$ 26,254,457	\$ 5,373,170	\$ 5,196,038	\$ 4,332,860	\$ 2,626,281	\$ 77,817,847
Reserve for Future Capital Projects	\$ 4,702,663	\$ 5,949,051	\$ 7,019,198	\$ 5,037,799	\$ 6,857,708	\$ 6,857,708	\$ 5,308,392	\$ 6,435,003	\$ 8,158,991	\$ 11,172,095	\$ 16,270,443	\$ 16,270,443

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - 43rd Street Sewer Solution

REQUEST CODE

CIP-46-19-184

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Upsize sanitary sewer in 43rd Street east of Loudon Ditch and west of Taft Avenue.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	119,550	124,630	0	0	244,180
Construction	0	0	0	1,246,300	0	0	1,246,300
1% for the Arts	0	0	0	12,463	0	0	12,463
Total	0	0	119,550	1,383,393	0	0	1,502,943

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	11,955	138,340	0	0	150,295
Wastewater SIF Fund Balance	0	0	107,595	1,245,053	0	0	1,352,648
Total	0	0	119,550	1,383,393	0	0	1,502,943

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Abandon WWTP Sewer Re-route

REQUEST CODE

CIP-46-19-187

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Abandon WWTP Sewer Re-route

PROJECT PRIORITY #

1

PROJECT #

W1901G

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



The City has an abandoned wastewater treatment plant located at Railroad Ave. and 3rd St. SE. There is an existing active 15" sanitary sewer that runs through the abandoned plant and poses a safety concern. This project will re-route the sanitary sewer out and around the abandoned plant site.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	28,000	29,190	0	0	0	0	57,190
Construction	0	364,880	0	0	0	0	364,880
1% for the Arts	0	3,649	0	0	0	0	3,649
Total	28,000	397,719	0	0	0	0	425,719

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	28,000	397,719	0	0	0	0	425,719
Total	28,000	397,719	0	0	0	0	425,719

**City of Loveland
Capital Improvement
Program**

315-45-300-0000-315-BF-Executive

REQUEST NAME

WW - Bus Barn & Taft Lift Station Renovation

REQUEST CODE

CIP-315-45-300-0000-19-165

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Bus Barn & Taft Lift Station Renovation

PROJECT PRIORITY #

1

PROJECT #

W1703G

PROJECT AREA

NA

PROJECT DESCRIPTION / NECESSITY



The Bus Barn electric service includes single phase power converted to 3-phase. The back-up generator is also single phase, requiring a phase converter to operate this station from the grid or generator. This project includes running 3-phase power to the facility and modifying the generator to 3-phase (or generator replacement if necessary). The Taft Lift Station needs new rails, wetwell coating, and new hatch/lid.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	99,040	0	0	0	0	99,040
Construction	0	990,380	0	0	0	0	990,380
1% for the Arts	0	9,904	0	0	0	0	9,904
Total	0	1,099,324	0	0	0	0	1,099,324

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	1,099,324	0	0	0	0	1,099,324
Total	0	1,099,324	0	0	0	0	1,099,324

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - East 1st Street (FM) Discharge Vault

REQUEST CODE

CIP-46-19-188

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



The Eastside sanitary sewer lift station has two forcemains which discharge into a vault before flowing via gravity through the collection system. The vault's condition is worsening due to H2S gas (from sewer gases) and will need repaired and/or replaced.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	31,280	0	0	0	0	31,280
Construction	0	260,630	0	0	0	0	260,630
1% for the Arts	0	2,606	0	0	0	0	2,606
Total	0	294,516	0	0	0	0	294,516

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	294,516	0	0	0	0	294,516
Total	0	294,516	0	0	0	0	294,516

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - East Side Lift Station 3rd Pump Install

REQUEST CODE

CIP-46-19-183

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Install a 3rd submersible pump and equipment necessary for the pump to operate at the East Side Lift Station.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	31,280	32,600	0	0	0	63,880
Construction	0	0	326,040	0	0	0	326,040
1% for the Arts	0	0	3,260	0	0	0	3,260
Total	0	31,280	361,900	0	0	0	393,180

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater SIF Fund	0	31,280	361,900	0	0	0	393,180
Balance	0	0	0	0	0	0	0
Total	0	31,280	361,900	0	0	0	393,180

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - East Side Lift Station Overflow Vault

REQUEST CODE

CIP-46-19-170

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



The Eastside Lift Station has an overflow pond situated next to it should there ever be a backup of sanitary sewer flows. It is the City's desire to convert this pond into a concrete vault to serve the same purpose. The vault would allow for better cleaning and less environmental impact in the event of an overflow discharge.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	0	0	183,540	183,540
Construction	0	0	0	0	0	936,760	936,760
1% for the Arts	0	0	0	0	0	9,368	9,368
Total	0	0	0	0	0	1,129,668	1,129,668

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	0	0	564,834	564,834
Wastewater SIF Fund Balance	0	0	0	0	0	564,834	564,834
Total	0	0	0	0	0	1,129,668	1,129,668

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Highway 402 Wastewater Main Extension

REQUEST CODE

CIP-46-19-185

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



This project includes the design and construction of a new wastewater main and lift station. The main(s) will be designed to maximize gravity flow, but will need a regional lift station to collect wastewater. A condition of annexation was agreed upon for the Olson Annexation that the City would provide wastewater service to the Annexation upon development.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	0	1,358,320	1,416,050	2,774,370
Construction	0	0	0	0	0	14,160,490	14,160,490
1% for the Arts	0	0	0	0	0	141,605	141,605
Total	0	0	0	0	1,358,320	15,718,145	17,076,465

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater SIF Fund	0	0	0	0	1,358,320	15,718,145	17,076,465
Balance	0	0	0	0	0	0	0
Total	0	0	0	0	1,358,320	15,718,145	17,076,465

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Miscellaneous Oversizing & Extension Projects

REQUEST CODE

CIP-46-19-189

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

MOUNTAIN PACIFIC OVERSIZING CONSTRUCT

PROJECT PRIORITY #

1

PROJECT #

W1933H

PROJECT AREA

NA

PROJECT DESCRIPTION / NECESSITY



As development occurs, private developers design and install wastewater infrastructure to serve their project. When the City anticipates additional capacity is desired to serve wastewater needs above and beyond that which is related to the proposed development, the Utility may require a larger pipeline to be installed by the Developer. The Utility reimburses the Developer for these increased costs through the Extension and Oversizing Program. Future wastewater main alignment and sizes have been planned for in the Water/Wastewater Master Plan.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Oversizing Agreements (W&P)	75,000	78,190	81,510	84,970	88,590	502,710	910,970
1% for the Arts	750	782	815	850	886	5,028	9,111
Total	75,750	78,972	82,325	85,820	89,476	507,738	920,081

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater SIF Fund Balance	75,750	78,972	82,325	85,820	89,476	507,738	920,081
Total	75,750	78,972	82,325	85,820	89,476	507,738	920,081

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Misc. Sewer Line Rehabilitation Projects

REQUEST CODE

CIP-46-19-193

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Replacing aging infrastructure is a growing need within the utility. Typically, most communities face increasing rehabilitation costs as the age of installed infrastructure advances.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Construction	0	1,042,500	1,630,210	1,076,350	2,362,300	17,644,470	23,755,830
1% for the Arts	0	10,425	16,302	10,764	23,623	176,444	237,558
Total	0	1,052,925	1,646,512	1,087,114	2,385,923	17,820,914	23,993,388

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	1,052,925	1,646,512	1,087,114	2,385,923	17,820,914	23,993,388
Total	0	1,052,925	1,646,512	1,087,114	2,385,923	17,820,914	23,993,388

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - North Horseshoe Lift Station Upgrades

REQUEST CODE

CIP-46-19-168

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



This is an aging lift station located near Horseshoe Lake. Proposed improvements are not exactly known at this time, but will likely include: emergency overflow storage, lining of existing wetwell, and replacement of piping, valves, and controls.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	104,250	108,680	0	0	0	212,930
Construction	0	0	1,086,810	0	0	0	1,086,810
1% for the Arts	0	0	10,868	0	0	0	10,868
Total	0	104,250	1,206,358	0	0	0	1,310,608

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	104,250	1,206,358	0	0	0	1,310,608
Total	0	104,250	1,206,358	0	0	0	1,310,608

**City of Loveland
Capital Improvement
Program**

315-46-310-2904-315-WP-Engineering-Collection System

REQUEST NAME

WW - Southside Lift Station Generator

REQUEST CODE

CIP-315-46-310-2904-19-169

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Install an emergency generator at the Southside Lift Station.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	45,320	47,250	0	92,570
Construction	0	0	0	0	472,460	0	472,460
1% for the Arts	0	0	0	0	4,725	0	4,725
Total	0	0	0	45,320	524,435	0	569,755

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	45,320	524,435	0	569,755
Total	0	0	0	45,320	524,435	0	569,755

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Upper Boyd Basin Sanitary Sewer

REQUEST CODE

CIP-46-19-186

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Replace and upsize approximately 6,700 feet of sanitary sewer interceptor in the upper portion of the Old Boyd Basin. The undersized segment is mainly between Wilson and Taft.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	576,010	600,490	0	0	1,176,500
Construction	0	0	0	6,004,880	0	0	6,004,880
1% for the Arts	0	0	0	60,049	0	0	60,049
Total	0	0	576,010	6,665,419	0	0	7,241,429

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	57,601	666,542	0	0	724,143
Wastewater SIF Fund Balance	0	0	518,409	5,998,877	0	0	6,517,286
Total	0	0	576,010	6,665,419	0	0	7,241,429

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Admin Remodel

REQUEST CODE

CIP-46-19-194

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



The existing wastewater treatment plant administration area is in need of updating. The flooring and wall covers are in need of replacement and the old, and no longer in service, annunciator (SCADA) panel and associated wiring needs to be removed.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	52,130	0	0	0	0	52,130
Construction	0	521,250	0	0	0	0	521,250
1% for the Arts	0	5,213	0	0	0	0	5,213
Total	0	578,593	0	0	0	0	578,593

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	578,593	0	0	0	0	578,593
Total	0	578,593	0	0	0	0	578,593

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Digested Sludge Dewatering

REQUEST CODE

CIP-46-19-204

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



This project is in the area of the Waste Activated Sludge (WAS) thickening building and will incorporate centrifuges or related technology for dewatering and solids cake loading into biosolids hauling trucks.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	0	0	1,352,590	1,352,590
Total	0	0	0	0	0	1,352,590	1,352,590

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	0	0	1,014,443	1,014,443
Wastewater SIF Fund Balance	0	0	0	0	0	338,148	338,148
Total	0	0	0	0	0	1,352,591	1,352,591

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Final Clarifier #4 & RAS/Scum

REQUEST CODE

CIP-46-19-203

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



This project includes construction of a fourth final clarifier (90' diameter, 16' sidewater depth).

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	0	0	727,200	727,200
Total	0	0	0	0	0	727,200	727,200

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	0	0	145,440	145,440
Wastewater SIF Fund Balance	0	0	0	0	0	581,760	581,760
Total	0	0	0	0	0	727,200	727,200

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Primary Clarifier #3 & Trickling Filter Demo

REQUEST CODE

CIP-46-19-201

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



This project is for the demolition of the existing trickling filter basins and construction of a third primary clarifier to increase capacity of the primary treatment system to 12 MGD. The primary clarifier will be constructed in the area now occupied by the decommissioned trickling filters.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	0	0	436,320	436,320
Total	0	0	0	0	0	436,320	436,320

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	0	0	87,264	87,264
Wastewater SIF Fund Balance	0	0	0	0	0	349,056	349,056
Total	0	0	0	0	0	436,320	436,320

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Primary Clarifier Odor Control

REQUEST CODE

CIP-46-19-205

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



In an effort to reduce odors from the WWTP the Department will cover the primary clarifiers and other associated odor causing processes. As a result of covering the clarifiers some equipment and surface coatings will have to be replaced or rehabilitated to combat resulting sewer gases.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	84,970	354,340	369,400	808,710
Construction	0	0	0	0	0	5,664,190	5,664,190
1% for the Arts	0	0	0	0	0	56,642	56,642
Total	0	0	0	84,970	354,340	6,090,232	6,529,542

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	0	84,970	354,340	6,090,232	6,529,542
Total	0	0	0	84,970	354,340	6,090,232	6,529,542

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Rehabilitate Digester 1 & 2

REQUEST CODE

CIP-46-19-200

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Rehabilitate existing digester and controls.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	489,060	509,850	0	0	998,910
Construction	0	0	0	5,098,480	0	0	5,098,480
1% for the Arts	0	0	0	50,985	0	0	50,985
Total	0	0	489,060	5,659,315	0	0	6,148,375

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	489,060	5,659,315	0	0	6,148,375
Total	0	0	489,060	5,659,315	0	0	6,148,375

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Security Upgrades (cameras/recording device)

REQUEST CODE

CIP-46-19-257

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

WASTEWATER GENERAL PLANT

PROJECT PRIORITY #

1

PROJECT #

WW930

PROJECT AREA

NA

PROJECT DESCRIPTION / NECESSITY



Security upgrades @ WWTP - cameras, recording devices, etc.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Other Capital	0	104,250	0	0	0	0	104,250
Total	0	104,250	0	0	0	0	104,250

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	104,250	0	0	0	0	104,250
Total	0	104,250	0	0	0	0	104,250

**City of Loveland
Capital Improvement
Program**

46-Water/Waste Operations

REQUEST NAME

WW - Upgrade PLC Processors

REQUEST CODE

CIP-46-19-199

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Replace 7 Allen Bradley SLC 500 PLCs with new Allen Bradley Controllogix PLC controllers. Project includes programming and integration for transition from RSLogix 500 to RSLogix 5000 and replacement of existing SLC level I/O.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	38,040	0	0	0	38,040
Construction	0	0	380,380	0	0	0	380,380
1% for the Arts	0	0	3,804	0	0	0	3,804
Total	0	0	422,224	0	0	0	422,224

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Wastewater Fund Balance	0	0	422,224	0	0	0	422,224
Total	0	0	422,224	0	0	0	422,224